

Page 12, line 27, after "DYKD" insert --(SEQ ID NO: 2408)--;
 line 28, after "AAAGAP" insert --(SEQ ID NO: 2409)--;
 line 30, delete "DYKDDDDDK" and insert --DYKDDDDK (SEQ ID NO: 2410)--.

Page 13, line 1, after "sequences" insert --(SEQ ID NOS 1-3, respectively)--;
 line 3, delete "sequence" and insert --sequences (SEQ ID NOS 4-6, respectively)--;
 line 5, after "sequences" insert --(SEQ ID NOS 7-29, respectively)--;
 line 7, after "sequences" insert --(SEQ ID NOS 30-33, respectively)--;
 line 9, after "sequences" insert --(SEQ ID NOS 34 (design) & 35-98, respectively)--;
 line 10, after "contain" insert --(SEQ ID NO: 34)--;
 line 12, after "sequences" insert --(SEQ ID NOS 34 (design) & 99-166, respectively)--;
 line 13, after "contain" insert --(SEQ ID NO: 34)--;
 line 15, after "sequences" insert --(SEQ ID NOS 167 (design) & 168-216, respectively)--;
 line 18, after "sequences" insert --(SEQ ID NOS 167 (design) & 217-244, respectively)--;
 line 21, after "sequences" insert --(SEQ ID NOS 245 (design) & 246-305, respectively)--;
 line 24, after "sequences" insert --(SEQ ID NOS 245 (design) & 306-342, respectively)--;
 line 27, after "sequences" insert --(SEQ ID NOS 343 (design) & 344-430, respectively)--;
 line 28, after "sequence" insert --(SEQ ID NO: 343)--.

Page 14, line 1, after "sequences" insert --(SEQ ID NOS 343 (design) & 431-467, respectively)--;
 line 2, after "sequence" insert --(SEQ ID NO: 343)--;
 line 4, after "sequences" insert --(SEQ ID NOS 468 (design) & 469-575, respectively)--;

line 5, after "sequence" insert --(SEQ ID NO: 468)--;
line 7, after "sequences" insert --(SEQ ID NOS 468 (design) & 576-657,
respectively)--;
line 8, after "sequence" insert --(SEQ ID NO: 468)--;
line 10, after "sequences" insert --(SEQ ID NOS 658-712, respectively)--;
line 12, after "sequences" insert --(SEQ ID NO: 713)--;
line 14, after "sequences" insert --(SEQ ID NOS 714-721, respectively)--;
line 16, after "sequences" insert --(SEQ ID NOS 722-726, respectively)--;
line 18, after "sequences" insert --(SEQ ID NOS 727-742, respectively)--;
line 20, after "sequences" insert --(SEQ ID NOS 743-751, respectively)--;
line 22, after "sequences" insert --(SEQ ID NOS 752 (design) & 753 -776,
respectively)--;
line 25, after "sequences" insert --(SEQ ID NOS 752 (design) & 777-800,
respectively)--;
line 28, after "sequences" insert --(SEQ ID NOS 801 (design) & 802-887,
respectively)--.

Page 15, line 1, after "sequences" insert --(SEQ ID NOS 801 (design) & 888-936,
respectively)--;
line 4, after "sequences" insert --(SEQ ID NOS 937 (design) & 938-1000,
respectively)--;
line 7, after "sequences" insert --(SEQ ID NOS 1001 (design) & 1002-1029,
respectively)--;
line 10, after "sequences" insert --(SEQ ID NOS 1030 (design) & 1031-1109,
respectively)--;
line 11, after "sequence" insert --(SEQ ID NO: 1030)--;
line 13, after "sequences" insert --(SEQ ID NOS 1030 (design) & 1110-1201,
respectively)--;
line 14, after "sequence" insert --(SEQ ID NO: 1030)--;
line 16, after "sequences" insert --(SEQ ID NOS 1202-1255, respectively)--;
line 19, after "sequences" insert --(SEQ ID NOS 1256-1301, respectively)--;
line 22, after "sequences" insert --(SEQ ID NOS 1302 (design) & 1303-1432,
respectively)--;

line 23, after "sequence" insert --(SEQ ID NO: 1302)--;
line 25, after "sequences" insert --(SEQ ID NOS 1433-1437, respectively)--;
line 27, after "sequences" insert --(SEQ ID NO: 1438)--;
line 29, after "sequences" insert --(SEQ ID NOS 1439 (design) & 1440-1458,
respectively)--;
line 30, after "sequence" insert --(SEQ ID NO: 1439)--.

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respectively)--;
line 1, after "sequences" insert --(SEQ ID NOS 1439 (design) & 1459-1507,
line 2, after "sequence" insert --(SEQ ID NO: 1439)--;
line 4, after "sequences" insert --(SEQ ID NO: 1508)--;
line 6, after "sequences" insert --(SEQ ID NOS 1509 (design) & 1510-1592,
respectively)--;
line 9, after "sequences" insert --(SEQ ID NOS 1509 (design) & 1593-1607,
respectively)--;
line 12, after "sequences" insert --(SEQ ID NOS 1608 (design) & 1609-1658,
respectively)--;
line 15, after "sequences" insert --(SEQ ID NOS 1608 (design) & 1659-1722,
respectively)--;
line 17, after "sequences" insert --(SEQ ID NOS 1608 (design) & 1723-1732,
respectively)--;
line 20, after "sequences" insert --(SEQ ID NOS 1733-1735, respectively)--;
line 22, after "sequences" insert --(SEQ ID NOS 1736 (design) & 1737-1774,
respectively)--;
line 25, after "sequences" insert --(SEQ ID NOS 1736 (design) & 1775-1817,
respectively)--;
line 28, after "sequences" insert --(SEQ ID NOS 1736 (design) & 1818-1866,
respectively)--;

Page 17,
1868, respectively)--;
line 3, after "sequences" insert --(SEQ ID NOS 1869-1873, respectively)--;
line 4, after "sequences" insert --(SEQ ID NOS 1874-1969, respectively)--;

line 9, after “sequences” insert --(SEQ ID NOS 1970 (design) & 1971-1983,
respectively)--;

line 12, after “sequences” insert --(SEQ ID NOS 1984 (design) & 1985-1997,
respectively)--;

line 15, after “sequences” insert --(SEQ ID NOS 1984 (design) & 1998-2005,
respectively)--;

line 18, after “sequences” insert --(SEQ ID NOS 2006-2021, respectively)--;

line 20, after “sequences” insert --(SEQ ID NOS 2022-2026, respectively)--;

line 22, after “sequences” insert --(SEQ ID NOS 2027-2030, respectively)--;

line 24, after “sequences” insert --(SEQ ID NOS 2031 & 2032, respectively)--;

line 26, after “sequences” insert --(SEQ ID NOS 2033-2036, respectively)--;

line 28, after “sequences” insert --(SEQ ID NOS 2037-2057, respectively)--.

Page 18, line 1, after “sequences” insert --(SEQ ID NOS 2058 (design) & 2059-2062,
respectively)--;

line 4, after “sequences” insert --(SEQ ID NOS 2063 (design) & 2064-2086,
respectively)--;

line 7, after “sequences” insert --(SEQ ID NOS 2063 (design) & 2087-2098,
respectively)--;

line 11, after “sequences” insert --(SEQ ID NOS 2099-2124, respectively)--;

line 13, after “sequences” insert --(SEQ ID NOS 2125-2174, respectively)--;

line 29, after “sequence” insert --(SEQ ID NOS 2175-2192, respectively)--.

Page 19, line 1, after “sequences” insert --(SEQ ID NOS 2193-2217, respectively)--;

line 8, after “sequences” insert --(SEQ ID NOS 2218-2225, respectively)--;

line 23, after “sequences” insert --(SEQ ID NOS 2226-2228, respectively)--.

Page 20, line 2, after “sequences” insert --(SEQ ID NOS 2229-2231, respectively)--;

line 8, after “sequences” insert --(SEQ ID NOS 2232-2236, respectively)--;

line 11, after “sequences” insert --(SEQ ID NOS 2237-2305, respectively)--;

line 29, after “sequences” insert --(SEQ ID NOS 2306-2321, respectively)--;

line 20, after “sequences” insert --(SEQ ID NOS 2322-2341, respectively)--;

line 22, after “sequence” insert --(SEQ ID NOS 2342 & 2343, respectively)--;

line 25, after "sequence" insert --(SEQ ID NOS 2344 & 2345, respectively)--;
 line 28, after "sequence" insert --(SEQ ID NOS 2346 & 2347, respectively)--.

Page 21, line 1, after "sequence" insert --(SEQ ID NOS 2348 & 2349, respectively)--;
 line 4, after "sequence" insert --(SEQ ID NOS 2350 & 2351, respectively)--;
 line 7, after "sequence" insert --(SEQ ID NOS 2352 & 2353, respectively)--;
 line 26, after "sequence" insert --(SEQ ID NOS 2354-2376, respectively)--.

Page 22, line 1, after "sequence" insert --(SEQ ID NOS 2377-2393, respectively)--.

Page 23, line 6, after "sequence" insert --(SEQ ID NOS 2394 & 2395, respectively)--;
 line 8, after "sequence" insert --(SEQ ID NOS 2396 & 2397, respectively)--;
 line 10, after "sequences" insert --(SEQ ID NOS 2398-2406, respectively)--.
 line 8, after "71B3:" insert --(SEQ ID NO: 2407)--.

Page 27, line 30, after "are" insert --(SEQ ID NOS 2411 & 2412, respectively)--.

Page 28, line 4, before "(D117; H2C)" insert --(SEQ ID NO: 2115)--;
 line 5, before "(S175)" insert --(SEQ ID NO: 2163)--;
 line 15, after "sequences" insert --(SEQ ID NOS 2416-2419, respectively)--;
 line 19, before "and" insert --(SEQ ID NO: 2419)--; after "below:" insert
 --(SEQ ID NO: 2420)--.

Page 30, line 30, after "is" insert --(SEQ ID NO: 2421)--.

Page 31, line 2, before "(F8)" insert --(SEQ ID NO: 1509)--;
 line 14, after "is" insert --(SEQ ID NO: 2422)--.

Page 32, line 3, after "is" insert --(SEQ ID NO: 2423)--;
 line 18, after "is" insert --(SEQ ID NO: 2424)--;
 line 30, after "WPTYW" insert --(SEQ ID NO: 2425)--.

Page 33, line 8, before "The" insert --(SEQ ID NO: 1874)--;

line 11, before "(Formula 9, JBA5)." insert --(SEQ ID NO: 2152)--;
line 18, after "10." insert --(SEQ ID NO: 2426)--;
line 26, after "includes" insert --(SEQ ID NO: 2427)--;
line 28, before "(E8)" insert --(SEQ ID NO: 2118)--;
line 28, after "and" insert --(SEQ ID NO: 2119)--.

Page 37, line 4, after "IR" insert --(SEQ ID NO: 214)--;
line 5, after "IGFR" insert --(SEQ ID NO: 432)--;
line 6, after "IGFR" insert --(SEQ ID NO 433)--;
line 7, after "IR" insert --(SEQ ID NO: 215)--;
line 8, after "IR" insert --(SEQ ID NO: 216)--;
line 9, after "IGFR" insert --(SEQ ID NO: 434) --;
line 10, after "IGFR" insert --(SEQ ID NO: 435)--;
line 11, after "IGFR" insert --(SEQ ID NO: 436)--;
line 12, after "IGFR" insert --(SEQ ID NO: 437)--;
line 13, after "IGFR" insert --(SEQ ID NO: 438)--;
line 14, after "IGFR" insert --(SEQ ID NO: 439)--;
line 15, after "IGFR" insert --(SEQ ID NO: 440)--;
line 16, after "IGFR" insert --(SEQ ID NO: 441)--;
line 17, after "IGFR" insert --(SEQ ID NO: 442)--;
line 18, after "IR" insert --(SEQ ID NO: 278)--;
line 19, after "IGFR" insert --(SEQ ID NO: 443)--;
line 20, after "IGFR" insert --(SEQ ID NO: 444)--;
line 21, after "IGFR" insert --(SEQ ID NO: 445)--;
line 22, after "IGFR" insert --(SEQ ID NO: 446)--;
line 23, after "IGFR" insert --(SEQ ID NO: 447)--;
line 24, after "IGFR" insert --(SEQ ID NO: 448)--;
line 25, after "IGFR" insert --(SEQ ID NO: 449)--;
line 26, after "IGFR" insert --(SEQ ID NO: 450)--;
line 27, after "IGFR" insert --(SEQ ID NO: 451)--.

Page 38, line 2, after "IGFR" insert --(SEQ ID NO: 452)--;
line 3, after "IR" insert --(SEQ ID NO: 277)--;

line 4, after "IR" insert --(SEQ ID NO: 710)--;
 line 5, after "IGFR" insert --(SEQ ID NO: 456)--;
 line 6, after "IGFR" insert --(SEQ ID NO: 457)--;
 line 7, after "IGFR" insert --(SEQ ID NO: 458)--;
 line 8, after "IR" insert --(SEQ ID NO: 96)--;
 line 9, after "IR" insert --(SEQ ID NO: 97)--;
 line 10, after "IR" insert --(SEQ ID NO: 98)--;
 line 11, after "IGFR" insert --(SEQ ID NO: 464)--;
 line 12, after "IGFR" insert --(SEQ ID NO: 466)--;
 line 13, after "IGFR" insert --(SEQ ID NO: 2428)--;
 line 14, after "IGFR" insert --(SEQ ID NO: 2147)--;

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line 4, after "IGFR" insert --(SEQ ID NO: 743)--;
 line 5, after "IGFR" insert --(SEQ ID NO: 744)--;
 line 6, after "IR" insert --(SEQ ID NO: 834)--;
 line 7, after "IR" insert --(SEQ ID NO: 726)--;
 line 8, after "IGFR" insert --(SEQ ID NO: 1256)--;
 line 9, after "IR" insert --(SEQ ID NO: 724)--;
 line 10, after "IR" insert --(SEQ ID NO: 1255)--;
 line 11, after "IR" insert --(SEQ ID NO: 1432)--;
 line 12, after "IGFR" insert --(SEQ ID NO: 1257)--;
 line 13, after "IR" insert --(SEQ ID NO: 833)--;
 line 14, after "IGFR" insert --(SEQ ID NO: 1111)--;
 line 15, after "IR" insert --(SEQ ID NO: 832)--;
 line 16, after "IGFR" insert --(SEQ ID NO: 745)--;
 line 17, after "IGFR" insert --(SEQ ID NO: 1258)--;
 line 18, after "IGFR" insert --(SEQ ID NO: 1259)--;
 line 19, after "IGFR" insert --(SEQ ID NO: 746)--;
 line 20, after "IGFR" insert --(SEQ ID NO: 1260)--;
 line 21, after "IR" insert --(SEQ ID NO: 723)--;
 line 22, after "IGFR" insert --(SEQ ID NO: 1261)--;
 line 23, after "IR" insert --(SEQ ID NO: 831)--;
 line 24, after "IGFR" insert --(SEQ ID NO: 1262)--;

line 25, after "IGFR" insert --(SEQ ID NO: 1263)--;
line 26, after "IGFR" insert --(SEQ ID NO: 1264)--;
line 27, after "IR" insert --(SEQ ID NO: 828)--;
line 28, after "IR" insert --(SEQ ID NO: 722)--;
line 29, after "IGFR" insert --(SEQ ID NO: 1265)--.

Page 40, line 3, after "IGFR" insert --(SEQ ID NO: 1266)--;
line 4, after "IGFR" insert --(SEQ ID NO: 1267)--;
line 5, after "IGFR" insert --(SEQ ID NO: 1268)--;
line 6, after "IGFR" insert --(SEQ ID NO: 1269)--;
line 7, after "IGFR" insert --(SEQ ID NO: 1270)--;
line 8, after "IGFR" insert --(SEQ ID NO: 1271)--;
line 9, after "IGFR" insert --(SEQ ID NO: 1272)--;
line 10, after "IGFR" insert --(SEQ ID NO: 747)--;
line 11, after "IGFR" insert --(SEQ ID NO: 1273)--;
line 12, after "IGFR" insert --(SEQ ID NO: 1274)--;
line 13, after "IGFR" insert --(SEQ ID NO: 1275)--;
line 14, after "IGFR" insert --(SEQ ID NO: 1276)--;
line 15, after "IGFR" insert --(SEQ ID NO: 1277)--;
line 16, after "IGFR" insert --(SEQ ID NO: 1278)--;
line 17, after "IR" insert --(SEQ ID NO: 1431)--;
line 18, after "IGFR" insert --(SEQ ID NO: 1279)--;
line 19, after "IGFR" insert --(SEQ ID NO: 1280)--;
line 20, after "IR" insert --(SEQ ID NO: 825)--;
line 21, after "IGFR" insert --(SEQ ID NO: 1281)--;
line 22, after "IGFR" insert --(SEQ ID NO: 1282)--;
line 23, after "IGFR" insert --(SEQ ID NO: 748)--;
line 24, after "IR" insert --(SEQ ID NO: 1429)--;
line 25, after "IGFR" insert --(SEQ ID NO: 1284)--;
line 26, after "IGFR" insert --(SEQ ID NO: 1286)--;
line 27, after "IR" insert --(SEQ ID NO: 824)--;
line 28, after "IGFR" insert --(SEQ ID NO: 1115)--;
line 29, after "IGFR" insert --(SEQ ID NO: 1287)--;

line 30, after "IR" insert --(SEQ ID NO: 1430)--.

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line 3, after "IR" insert --(SEQ ID NO: 823)--;
 line 4, after "IR" insert --(SEQ ID NO: 822)--;
 line 5, after "IR" insert --(SEQ ID NO: 821)--;
 line 6, after "IR" insert --(SEQ ID NO: 820)--;
 line 7, after "IR" insert --(SEQ ID NO: 819)--;
 line 8, after "IGFR" insert --(SEQ ID NO: 1124)--;
 line 9, after "IGFR" insert --(SEQ ID NO: 1125)--;
 line 10, after "IR" insert --(SEQ ID NO: 818)--;
 line 11, after "IR" insert --(SEQ ID NO: 775)--;
 line 12, after "IR" insert --(SEQ ID NO: 814)--;
 line 13, after "IR" insert --(SEQ ID NO: 813)--;
 line 14, after "IR" insert --(SEQ ID NO: 811)--;
 line 15, after "IR" insert --(SEQ ID NO: 808)--;
 line 16, after "IR" insert --(SEQ ID NO: 809)--;
 line 17, after "IGFR" insert --(SEQ ID NO: 1142)--;
 line 18, after "IR" insert --(SEQ ID NO: 1253)--;
 line 19, after "IR" insert --(SEQ ID NO: 805)--;
 line 20, after "IGFR" insert --(SEQ ID NO: 1066)--;
 line 21, after "IR" insert --(SEQ ID NO: 768)--;
 line 22, after "IR" insert --(SEQ ID NO: 804)--;
 line 23, after "IR" insert --(SEQ ID NO: 763)--;
 line 24, after "IR" insert --(SEQ ID NO: 764)--;
 line 25, after "IGFR" insert --(SEQ ID NO: 1186)--;
 line 26, after "IGFR" insert --(SEQ ID NO: 2429)--;
 line 27, after "(RP10)" insert --(SEQ ID NO: 2148)--.

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line 4, after "IR" insert --(SEQ ID NO: 2024)--;
 line 5, after "IGFR" insert --(SEQ ID NO: 2053)--;
 line 6, after "IGFR" insert --(SEQ ID NO: 2054)--;
 line 7, after "IGFR" insert --(SEQ ID NO: 2055)--;
 line 8, after "IR" insert --(SEQ ID NO: 2024)--.

Page 44, line 2, after “(FYxWF)” insert --(SEQ ID NO: 2415)--;

line 4, after “G3” insert --(SEQ ID NO: 2108)--;

line 5, after “H2” insert --(SEQ ID NO: 2430)--;

line 6, after “H2C” insert --(SEQ ID NO: 2115)--;

line 7, after “E12” insert --(SEQ ID NO: 35)--;

line 8, after “G1” insert --(SEQ ID NO: 91)--;

line 9, after “B12” insert --(SEQ ID NO: 2167)--;

line 10, after “B11” insert --(SEQ ID NO: 658)--;

line 11, after “F6” insert --(SEQ ID NO: 660)--;

line 12, after “IR~” insert --(SEQ ID NO: 246)--;

line 13, after “IR” insert --(SEQ ID NO: 345)--;

line 14, after “D2” insert --(SEQ ID NO: 471)--;

line 15, after “D12” insert --(SEQ ID NO: 472)--;

line 16, after “G3” insert --(SEQ ID NO: 473)--;

line 17, after “E8*” insert --(SEQ ID NO: 560)--;

line 18, after “IR~” insert --(SEQ ID NO: 474)--;

line 19, after “C1” insert --(SEQ ID NO: 36)--;

line 20, after “B6-like” insert --(SEQ ID NO: 2416)--;

line 22, after “20C11” insert --(SEQ ID NO: 2117)--;

line 23, after “20E2” insert --(SEQ ID NO: 2116)--;

line 24, after “C7” insert --(SEQ ID NO: 2165)--;

line 25, after “C10” insert --(SEQ ID NO: 2166)--;

line 26, after “IR” insert --(SEQ ID NO: 1203)--;

line 27, after “E3*” insert --(SEQ ID NO: 659)--;

line 28, after “F9” insert --(SEQ ID NO: 1032)--;

line 29, after “HOLO*” insert --(SEQ ID NO: 1303)--;

line 30, after “HOLO*” insert --(SEQ ID NO: 1304)--;

line 31, after “E2” insert --(SEQ ID NO: 1033)--;

line 32, after “IR*” insert --(SEQ ID NO: 1305)--;

line 33, after “IR” insert --(SEQ ID NO: 1204)--;

line 34, after “E12” insert --(SEQ ID NO: 1247)--;

line 35, after “B6” insert --(SEQ ID NO: 1034)--;

line36 , after “B6-like” insert --(SEQ ID NO: 2441)--;
 line 38, after “A12” insert --(SEQ ID NO: 1441)--;
 line 39, after “F9” insert --(SEQ ID NO: 1433)--;
 line 40, after “IR” insert --(SEQ ID NO: 1440)--;
 line 41, after “IR” insert --(SEQ ID NO: 661)--;
 line 42, after “E6” insert --(SEQ ID NO: 1442)--;
 line 43, after “IR” insert --(SEQ ID NO: 1444)--;
 line 44, after “Group 6” insert --(SEQ ID NO: 2442)--;
 line 46, after “IR” insert --(SEQ ID NO: 2022)--;
 line 49, after “IR~” insert --(SEQ ID NO: 2144)--;
 line 50, after “IR~” insert --(SEQ ID NO: 2149)--;
 line 51, after “IR~” insert --(SEQ ID NO: 2145)--;
 line 52, after “IR~” insert --(SEQ ID NO: 2150)--.

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line 4, after “F8” insert --(SEQ ID NO: 1508)--;
 line 5, after “C12” insert --(SEQ ID NO: 2061)--;
 line 6, after “Des2” insert --(SEQ ID NO: 2169)--;
 line 7, after “F12” insert --(SEQ ID NO: 1567)--;
 line 8, after “B9” insert --(SEQ ID NO: 1514)--;
 line 9, after “B12” insert --(SEQ ID NO: 1732)--;
 line 10, after “2B3 ” insert --(SEQ ID NO: 2086)--;
 line 11, after “2F9~” insert --(SEQ ID NO: 2098)--;
 line 12, after “4H4~” insert --(SEQ ID NO: 2065)--;
 line 15, after “D8” insert --(SEQ ID NO: 2127)--;
 line 16, after “G1” insert --(SEQ ID NO: 2170)--;
 line 17, after “B5~” insert --(SEQ ID NO: 2431)--;
 line 18, after “A7” insert --(SEQ ID NO: 1765)--;
 line 19, after “F1~” insert --(SEQ ID NO: 1806)--;
 line 22, after “F10” insert --(SEQ ID NO: 1842)--;
 line 23, after “B12~” insert --(SEQ ID NO: 1732)--;
 line 24, after “A9” insert --(SEQ ID NO: 2432)--.

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line 24, after “epitope” insert --(SEQ ID NO: 2410)--;

- line 25, after "epitope" insert --(SEQ ID NO: 2408)--.
- Page 51, line 26, after "and" insert --(SEQ ID NO: 2410)--.
- Page 56, line 16, after "are:" insert --(SEQ ID NO: 2115)--;
line 17, before "(D118, 20E2)" insert --(SEQ ID NO: 2116)--;
line 18, before "(D119,20C11)" insert --(SEQ ID NO: 2117)--;
line 19, before "(D116, JBA5)" insert --(SEQ ID NO: 2114)--;
line 20, before "(D113, H2)" insert --(SEQ ID NO: 2111)--;
line 21, before "(S175)" insert --(SEQ ID NO: 2163)--;
line 22, before "(D117, H2C)" insert --(SEQ ID NO: 2115)--;
line 22, after "and" insert --(SEQ ID NO: 2163)--;
line 23, after "is" insert --(SEQ ID NO: 2163)--.
- Page 62, line 7, after "sequence" insert --(SEQ ID NO: 2433)--.
- Page 66, line 31, after "sequence" insert --(SEQ ID NO: 2434)--.
- Page 67, line 2, after "consensus" insert --(SEQ ID NO: 2435)--.
- Page 68, line 26, after "consensus" insert --(SEQ ID NO: 2435)--.
- Page 69, line 4, after "sequence" insert --(SEQ ID NO: 2435)--;
line 15, before "was" insert --(SEQ ID NO: 2436)--.
- Page 70, line 11, after "is:" insert --(SEQ ID NO: 2437)--.
- Page 71, line 16, after "sequence" insert --(SEQ ID NO: 2435)--.
- Page 82, line 12, after "as" insert--(SEQ ID NO: 2438)--.
- Page 85, line 4, after "A6 CORE" insert --(SEQ ID NO: 2439)--.

Page 86, line 14, after "Parental" insert --SEQ ID NO: 2440)--.

Page 91, line 28, after "the" insert --(SEQ ID NO: 2415)--;
line 29, after "of" insert --(SEQ ID NO: 2110)--;
line 30, after "the" insert --(SEQ ID NO: 2416)--;
line 31, after "of" insert --(SEQ ID NO: 2443)--.

Page 100, line 20, after "is:" insert --(SEQ ID NO: 2444)--;
line 21, after "is:" insert --(SEQ ID NO: 2445)--.

Page 114, line 3, after "D101" insert --(SEQ ID NO: 2099)--;
line 4, after "D102" insert --(SEQ ID NO: 2100)--;
line 5, after "D103" insert --(SEQ ID NO: 2101)--;
line 6, after "D104" insert --(SEQ ID NO: 2102)--;
line 7, after "D105" insert --(SEQ ID NO: 2103)--;
line 8, after "D106" insert --(SEQ ID NO: 2104)--;
line 9, after "D107" insert --(SEQ ID NO: 2105)--;
line 10, after "D108" insert --(SEQ ID NO: 2106)--;
line 11, after "D109" insert --(SEQ ID NO: 2107)--;
line 12, after "D110" insert --(SEQ ID NO: 2108)--;
line 13, after "D111" insert --(SEQ ID NO: 2109)--;
line 14, after "D112" insert --(SEQ ID NO: 2110)--;
line 15, after "D113" insert --(SEQ ID NO: 2111)--;
line 16, after "D114" insert --(SEQ ID NO: 2112)--;
line 17, after "D115" insert --(SEQ ID NO: 2113)--;
line 18, after "D116" insert --(SEQ ID NO: 2114)--;
line 19, after "D117" insert --(SEQ ID NO: 2115)--;
line 20, after "D117K" insert --(SEQ ID NO: 2446)--;
line 21, after "D118" insert --(SEQ ID NO: 2116)--;
line 22, after "D119" insert --(SEQ ID NO: 2117)--;
line 23, after "D120" insert --(SEQ ID NO: 2118)--;
line 24, after "D121" insert --(SEQ ID NO: 2119)--;
line 25, after "D122" insert --(SEQ ID NO: 2120)--;

line 26, after "D123" insert --(SEQ ID NO: 2121)--;
 line 27, after "D124" insert --(SEQ ID NO: 2122)--;
 line 28, after "D101A" insert --(SEQ ID NO: 2099)--;
 line 29, after "D102A" insert --(SEQ ID NO: 2100)--;
 line 30, after "D112A" insert --(SEQ ID NO: 2110)--;
 line 31, after "D113A" insert --(SEQ ID NO: 2111)--;
 line 32, after "D117A" insert --(SEQ ID NO: 2115)--;
 line 33, after "D119A" insert --(SEQ ID NO: 2117)--;
 line 34, after "D122A" insert --(SEQ ID NO: 2120)--;
 line 35, after "D123A" insert --(SEQ ID NO: 2121)--;
 line 36, after "D124A" insert --(SEQ ID NO: 2122)--.

Page 119-122, Table 15, after "S105" insert --(SEQ ID NO: 2447)--;
 Table 15, after "S106" insert --(SEQ ID NO: 2448)--;
 Table 15, after "S107" insert --(SEQ ID NO: 2449)--;
 Table 15, after "S108" insert --(SEQ ID NO: 2450)--;
 Table 15, after "S109" insert --(SEQ ID NO: 2451)--;
 Table 15, after "S110" insert --(SEQ ID NO: 2452)--;
 Table 15, after "S111" insert --(SEQ ID NO: 2453)--;
 Table 15, after "S112" insert --(SEQ ID NO: 2454)--;
 Table 15, after "S113" insert --(SEQ ID NO: 2455)--;
 Table 15, after "S114" insert --(SEQ ID NO: 2456)--;
 Table 15, after "S115" insert --(SEQ ID NO: 2457)--;
 Table 15, after "S116" insert --(SEQ ID NO: 2458)--;
 Table 15, after "S117" insert --(SEQ ID NO: 2459)--;
 Table 15, after "S118" insert --(SEQ ID NO: 2460)--;
 Table 15, after "S119" insert --(SEQ ID NO: 2461)--;
 Table 15, after "S120" insert --(SEQ ID NO: 2462)--;
 Table 15, after "S121" insert --(SEQ ID NO: 2463)--;
 Table 15, after "S122" insert --(SEQ ID NO: 2464)--;
 Table 15, after "S123" insert --(SEQ ID NO: 2465)--;
 Table 15, after "S124" insert --(SEQ ID NO: 2466)--;
 Table 15, after "S125" insert --(SEQ ID NO: 2467)--;

Table 15, after "S126" insert --(SEQ ID NO: 2468)--;
Table 15, after "S127" insert --(SEQ ID NO: 2469)--;
Table 15, after "S128" insert --(SEQ ID NO: 2470)--;
Table 15, after "S129" insert --(SEQ ID NO: 2471)--;
Table 15, after "S131" insert --(SEQ ID NO: 2472)--;
Table 15, after "S137" insert --(SEQ ID NO: 2473)--;
Table 15, after "S145" insert --(SEQ ID NO: 2474)--;
Table 15, after "S147" insert --(SEQ ID NO: 2475)--;
Table 15, after "S148" insert --(SEQ ID NO: 2476)--;
Table 15, after "S149" insert --(SEQ ID NO: 2477)--;
Table 15, after "S150" insert --(SEQ ID NO: 2478)--;
Table 15, after "S152" insert --(SEQ ID NO: 2479)--;
Table 15, after "S153" insert --(SEQ ID NO: 2480)--;
Table 15, after "S154" insert --(SEQ ID NO: 2481)--;
Table 15, after "S155" insert --(SEQ ID NO: 2482)--;
Table 15, after "S156" insert --(SEQ ID NO: 2483)--;
Table 15, after "S157" insert --(SEQ ID NO: 2484)--;
Table 15, after "S158" insert --(SEQ ID NO: 2485)--;
Table 15, after "S159" insert --(SEQ ID NO: 2486)--;
Table 15, after "S160" insert --(SEQ ID NO: 2487)--;
Table 15, after "S161" insert --(SEQ ID NO: 2488)--;
Table 15, after "S162" insert --(SEQ ID NO: 2489)--;
Table 15, after "S165" insert --(SEQ ID NO: 2490)--;
Table 15, after "S166" insert --(SEQ ID NO: 2491)--;
Table 15, after "S167" insert --(SEQ ID NO: 2160)--;
Table 15, after "S168" insert --(SEQ ID NO: 2492)--;
Table 15, after "S169" insert --(SEQ ID NO: 2493)--;
Table 15, after "S170" insert --(SEQ ID NO: 2494)--;
Table 15, after "S171" insert --(SEQ ID NO: 2495)--;
Table 15, after "S172" insert --(SEQ ID NO: 2496)--;
Table 15, after "S173" insert --(SEQ ID NO: 2161)--;
Table 15, after "S174" insert --(SEQ ID NO: 2162)--;
Table 15, after "S175" insert --(SEQ ID NO: 2163)--;

Table 15, after "S176" insert --(SEQ ID NO: 2164)--;
Table 15, after "S177" insert --(SEQ ID NO: 2165)--;
Table 15, after "S178" insert --(SEQ ID NO: 2166)--;
Table 15, after "S179" insert --(SEQ ID NO: 2167)--;
Table 15, after "S180" insert --(SEQ ID NO: 2497)--;
Table 15, after "S181" insert --(SEQ ID NO: 2498)--;
Table 15, after "S182" insert --(SEQ ID NO: 2499)--;
Table 15, after "S183" insert --(SEQ ID NO: 2500)--;
Table 15, after "S184" insert --(SEQ ID NO: 2501)--;
Table 15, after "S203" insert --(SEQ ID NO: 2502)--;
Table 15, after "S204" insert --(SEQ ID NO: 2503)--;
Table 15, after "S205" insert --(SEQ ID NO: 2504)--;
Table 15, after "S206" insert --(SEQ ID NO: 2505)--;
Table 15, after "S207" insert --(SEQ ID NO: 2506)--;
Table 15, after "S208" insert --(SEQ ID NO: 2507)--;
Table 15, after "S209" insert --(SEQ ID NO: 2508)--;
Table 15, after "S210" insert --(SEQ ID NO: 2509)--;
Table 15, after "S211" insert --(SEQ ID NO: 2510)--;
Table 15, after "S212" insert --(SEQ ID NO: 2511)--;
Table 15, after "S213" insert --(SEQ ID NO: 2512)--;
Table 15, after "S214" insert --(SEQ ID NO: 2513)--;
Table 15, after "S215" insert --(SEQ ID NO: 2514)--;
Table 15, after "S216" insert --(SEQ ID NO: 2515)--;
Table 15, after "S217" insert --(SEQ ID NO: 2516)--;
Table 15, after "S218" insert --(SEQ ID NO: 2517)--;
Table 15, after "S219" insert --(SEQ ID NO: 2518)--;
Table 15, after "S220" insert --(SEQ ID NO: 2519)--;
Table 15, after "S221" insert --(SEQ ID NO: 2520)--;
Table 15, after "S222" insert --(SEQ ID NO: 2521)--;
Table 15, after "S223" insert --(SEQ ID NO: 2522)--;
Table 15, after "S224" insert --(SEQ ID NO: 2523)--;
Table 15, after "S225" insert --(SEQ ID NO: 2524)--;
Table 15, after "S226" insert --(SEQ ID NO: 2525)--;

Table 15, after "S227" insert --(SEQ ID NO: 2526)--;
 Table 15, after "S228" insert --(SEQ ID NO: 2527)--;
 Table 15, after "S229" insert --(SEQ ID NO: 2528)--;
 Table 15, after "S230" insert --(SEQ ID NO: 2529)--;
 Table 15, after "S231" insert --(SEQ ID NO: 2530)--;
 Table 15, after "S232" insert --(SEQ ID NO: 2531)--;
 Table 15, after "S233" insert --(SEQ ID NO: 2532)--;
 Table 15, after "S234" insert --(SEQ ID NO: 2533)--;
 Table 15, after "S235" insert --(SEQ ID NO: 2534)--;
 Table 15, after "S236" insert --(SEQ ID NO: 2535)--;
 Table 15, after "S237" insert --(SEQ ID NO: 2536)--;
 Table 15, after "S238" insert --(SEQ ID NO: 2537)--;
 Table 15, after "S239" insert --(SEQ ID NO: 2538)--;
 Table 15, after "S240" insert --(SEQ ID NO: 2539)--;
 Table 15, after "S241" insert --(SEQ ID NO: 2540)--;
 Table 15, after "S242" insert --(SEQ ID NO: 2541)--;
 Table 15, after "S243" insert --(SEQ ID NO: 2542)--;
 Table 15, after "S244" insert --(SEQ ID NO: 2543)--;
 Table 15, after "S245" insert --(SEQ ID NO: 2544)--;
 Table 15, after "S246" insert --(SEQ ID NO: 2545)--;
 Table 15, after "S247" insert --(SEQ ID NO: 2546)--;
 Table 15, after "S248" insert --(SEQ ID NO: 2547)--;
 Table 15, after "S249" insert --(SEQ ID NO: 2548)--;
 Table 15, after "S250" insert --(SEQ ID NO: 2549)--;
 Table 15, after "S251" insert --(SEQ ID NO: 2550)--;
 Table 15, after "S252" insert --(SEQ ID NO: 2551)--;
 Table 15, after "S253" insert --(SEQ ID NO: 2552)--;
 Table 15, after "S254" insert --(SEQ ID NO: 2553)--;
 Table 15, after "S255" insert --(SEQ ID NO: 2554)--;
 Table 15, after "S256" insert --(SEQ ID NO: 2555)--;
 Table 15, after "S257" insert --(SEQ ID NO: 2172)--;
 Table 15, after "S258" insert --(SEQ ID NO: 2173)--;
 Table 15, after "S259" insert --(SEQ ID NO: 2174)--;

Table 15, after "S260" insert --(SEQ ID NO: 2556)--;
Table 15, after "S261" insert --(SEQ ID NO: 2557)--;
Table 15, after "S262" insert --(SEQ ID NO: 2558)--;
Table 15, after "S263" insert --(SEQ ID NO: 2559)--;
Table 15, after "S264" insert --(SEQ ID NO: 2171)--;
Table 15, after "S265" insert --(SEQ ID NO: 2560)--;
Table 15, after "S266" insert --(SEQ ID NO: 2561)--;
Table 15, after "S267" insert --(SEQ ID NO: 2562)--;
Table 15, after "S268" insert --(SEQ ID NO: 2563)--;
Table 15, after "S273" insert --(SEQ ID NO: 2564)--;
Table 15, after "S274" insert --(SEQ ID NO: 2565)--;
Table 15, after "S275" insert --(SEQ ID NO: 2566)--;
Table 15, after "S276" insert --(SEQ ID NO: 2567)--;
Table 15, after "S277" insert --(SEQ ID NO: 2568)--;
Table 15, after "S278" insert --(SEQ ID NO: 246)--;
Table 15, after "S279" insert --(SEQ ID NO: 2569)--;
Table 15, after "S280" insert --(SEQ ID NO: 2570)--;
Table 15, after "S281" insert --(SEQ ID NO: 2571)--;
Table 15, after "S282" insert --(SEQ ID NO: 2572)--;
Table 15, after "S283" insert --(SEQ ID NO: 2573)--;
Table 15, after "S284" insert --(SEQ ID NO: 2574)--;
Table 15, after "S285" insert --(SEQ ID NO: 2575)--;
Table 15, after "S286" insert --(SEQ ID NO: 2576)--;
Table 15, after "S287" insert --(SEQ ID NO: 2577)--;
Table 15, after "S288" insert --(SEQ ID NO: 2578)--;
Table 15, after "S289" insert --(SEQ ID NO: 2579)--;
Table 15, after "S290" insert --(SEQ ID NO: 2580)--;
Table 15, after "S291" insert --(SEQ ID NO: 2581)--;
Table 15, after "S292" insert --(SEQ ID NO: 2582)--;
Table 15, after "S293" insert --(SEQ ID NO: 2583)--;
Table 15, after "S294" insert --(SEQ ID NO: 2584)--;
Table 15, after "S295" insert --(SEQ ID NO: 2585)--;
Table 15, after "S296" insert --(SEQ ID NO: 2586)--;

Table 15, after "S297" insert --(SEQ ID NO: 2587)--;
 Table 15, after "S298" insert --(SEQ ID NO: 2588)--;
 Table 15, after "S299" insert --(SEQ ID NO: 2589)--;
 Table 15, after "S300" insert --(SEQ ID NO: 2590)--;
 Table 15, after "S301" insert --(SEQ ID NO: 2591)--;
 Table 15, after "S302" insert --(SEQ ID NO: 2592)--;
 Table 15, after "S303" insert --(SEQ ID NO: 2593)--;
 Table 15, after "S304" insert --(SEQ ID NO: 2594)--;
 Table 15, after "S305" insert --(SEQ ID NO: 2595)--;
 Table 15, after "S306" insert --(SEQ ID NO: 2596)--.

Page 125, Table 16, after "IM445" insert --(SEQ ID NO: 2597)--;
 Table 16, after "IM447" insert --(SEQ ID NO: 2598)--;
 Table 16, after "IM460" insert --(SEQ ID NO: 2599)--;
 Table 16, after "IM453" insert --(SEQ ID NO: 2600)--;
 Table 16, after "IM466" insert --(SEQ ID NO: 2601)--;
 Table 16, after "IM448" insert --(SEQ ID NO: 2602)--;
 Table 16, after "IM446" insert --(SEQ ID NO: 2603)--;
 Table 16, after "IM455" insert --(SEQ ID NO: 2604)--;
 Table 16, after "IM465" insert --(SEQ ID NO: 2605)--;
 Table 16, after "IM452" insert --(SEQ ID NO: 2606)--;
 Table 16, after "IM451" insert --(SEQ ID NO: 2607)--;
 Table 16, after "IM459" insert --(SEQ ID NO: 2608)--;
 Table 16, after "IM458" insert --(SEQ ID NO: 2609)--;
 Table 16, after "IM449" insert --(SEQ ID NO: 2610)--;
 Table 16, after "IM450" insert --(SEQ ID NO: 2611)--.

Page 126, Table 17, after "(~J229)" insert --(SEQ ID NO: 1870)--;
 Table 17 after "(~J227)" insert --(SEQ ID NO: 1964)--;
 Table 17 after "(~J228)" insert --(SEQ ID NO: 1869)--;
 Table 17 after "(~ILPI)" insert --(SEQ ID NO: 2612)--.

Page 127, line 20, after "Monomer" insert --(SEQ ID NO: 2115)--.